PTO/SB/05 (08-03)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.		65858-0029					
First Inventor		Charles J. Koehler					
Title	FLUID CON SPECTRUM	DITION MONITORING USING BROAD I IMPEDANCE SPECTROSCOPY					

(Only for new nonprovisional applications under 37 CFR 1.53(b))				Expre:	s Ma	il Label	No.	EV 0	78877	250	US			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.					MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450									
1. 2. 3.	x	(Submit ai Applican See 37 C Specifica (preferred - Descr - Cross	n original, at claims so CFR 1.27. ation arrangement itle conceptions arrangement it is so Reference	mall entity sta ent set forth bek of the invention to Related App	for fee processing) atus. [Total Pages ow)	42]		Nucle (if app	Compute otide as plicable Comp	er Progra nd/or Am , <i>all nece</i> outer Rea on Sequ	am <i>(Appe</i> nino Acid essary) adable Fo ence List	ndix) Sequ m (C ing or	ence Submission :RF)	
		- Refer or a c - Backg	ence to sec computer pi pround of the	rding Fed spons quence listing, a rogram listing a ne Invention of the Invention	table,		c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS							
		- Brief (- Detail - Claim	Description ed Descrip	of the Drawings tion	s (if filed)		9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of Attorney							
4.	x	Drawing	(s) <i>(35 U</i> .	S.C. 113)	[Total Sheets	13]	11.				•		(if applicable)	
5.	Oath	or Declar	ation		[Total Sheets]	12.			mation Disclosure sment (IDS)/PTO-1449 X Copies of IDS Citations				
	a. [New	ly execut	ed (original o	r copy)		13.	F	Prelimin	nary Amendment				
	b .	Cop	y from a pontinuation	orior application/	on (37 CFR 1.63(d) Box 18 completed))	14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
		i. 🗌		ON OF INVEN			15. Certified Copy of Priority Document(s) (if foreign priority is claimed)							
			named in t	itement attache the prior applica R 1.63(d)(2) an			16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.							
					,		17.		Other:	_				
6.	X	Application	on Data S	Sheet. See 37	CFR 1.76									
			ving the t		pplication Data Sh		CFR :	1.76.		nation be		in the	first sentence of the	
	Prior	applicatio	ــــ n informa	∟ ution: Examin	er				_	Art Uni	t:			
un	der Bo	x 5b, is c	onsidere	d a part of the	disclosure of the a	ccompanyin	g cont	inuatio	n or div	isional a	pplication	and	th or declaration is supplied is hereby incorporated by tted application parts.	
_				<u></u> -	19. C	ORRESPO	NDE	NCE A	DDRE	SS				
X Customer Number: 10291						OR		Correspondence address below						
Ná	RADER, FISHMAN & GRAUER PLLC Charles A. Bieneman													
	Address 39533 Woodward Avenue Suite 140													
City Bloomfield Hills State						48304								
Country US Telephone					(24)					Fax	(248) 594-0610			
Name (Print/Type) Charles A. Bieneman Signature				Registi	ration N	lo. (Attor	ney/Ager Date	Ť	51,472 ovember 26, 2003					
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Utility Patent Application Transmittal

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 078877250 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 26, 2003

(Sarah J. Goodwin)

CEC TO A MONAITTAL		Complete if Known						
FEE TRANSMITTAL	.	Applic	ation	Numb	er Not Yet Assigned	Not Yet Assigned		
for EV 2004	1	Filing	Date		Concurrently Herewith	Concurrently Herewith		
for FY 2004		First N	Vame	Inver	ntor Charles J. Koehler	Charles J. Koehler		
Effective 10/01/2003, Patent fees are subject to annual revision.		Examiner Name			Not Yet Assigned			
Applicant claims small entity status. See 37 CFR 1.27	Ì				N/A	· · · · · · · · · · · · · · · · · ·		
TOTAL AMOUNT OF PAYMENT (\$) 2,914.00	\neg			cket No	o. 65858-0029			
METHOD OF PAYMENT (check all that apply)	┰				CALCULATION (continued)	_		
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Check Card Order Other None] 3. A	DDITIO	JNAL	FEE5	•			
X Deposit Account:			C11					
Deposit Account 18-0013	Fee	Entity Fee	Fee	Entity Fee	- For December			
Number	Code	(\$)	Code	(\$)	Fee Description Fee P	aid		
Deposit Account Rader, Fishman & Grauer PLLC	1051	130	2051	65	Surcharge – late filing fee or oath			
Name	1052	50	2052	25	Surcharge – late provisional filing fee or cover			
The Director is authorized to: (check all that apply)	1052	120	1052	120	sheet.			
X Charge fee(s) indicated below X Credit any overpayments Charge any additional fee(s) during the pendency of this	1053	130	1053	130	Non-English specification	_		
application	1812	2,520	1812	•	For filing a request for ex parte reexamination			
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month			
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month			
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month			
Fee Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month			
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension for reply within fifth month			
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290	2403 1451	145	Request for oral hearing Petition to institute a public use proceeding			
1005 160 2005 80 Provisional filing fee	1451 1452	1,510 110	2452	55	Petition to revive – unavoidable			
SUBTOTAL (1) (\$) 770.00	1453	1,330	2453	665	Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)			
Extra Fee from	1502	480	2502	240	Design issue fee			
Total Claims 120 -20** = 100 x 18.00 = 1,800.00	1503	640	2503	320	Plant issue fee			
Independent 7 3** = 4 x 86.00 = 344.00	1460	130	1460	130	Petitions to the Commissioner			
Claims	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)			
	1806	180	1806	180	Submission of Information Disclosure Stmt	_		
Large Entity Small Entity Fee Fee	8021	40	8021	40	Recording each patent assignment per			
Code (\$) Code (\$)	l				property (times number of properties) Filing a submission after final rejection			
1202	1809	770	2809	385	(37 ČFR 1.129(a))			
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))			
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	Request for Continued Examination (RCE)			
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for expedited examination of a design application			
and over original patent	Other	fee (spe	cify)			_		
SUBTOTAL (2) (\$) 2,144.00	*Redu	uced by I	Basic F	iling Fee	e Paid SUBTOTAL (3) (\$) 0	0.00		
**or number previously paid, if greater; For Reissues, see above								
SUBMITTED BY					(Complete (if applicable))			
Name (Print/Type) Charles A. Bieneman		ration No ey/Agent)		,472	Telephone (248) 594-0648			
Signature ()////			-		Date November 26, 2003			

Fee	Trans	mitta
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Dated: November 26, 2003

_ (Sarah J. Goodwin)

lication No. (if	known): Attorney Docket No.: 65858-0	029
Cer	tificate of Express Mailing Under 37 CFR 1.10	
	y certify that this correspondence is being deposited with the United States Postal Service as s Mail, Airbill No. EV 078877250 US in an envelope addressed to:	
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on	November 26, 2003 Date	
_	Signature	
_	Sarah J. Goodwin Typed or printed name of person signing Certificate	
Note:	Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper. Application Data Sheet	

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Attorney Docket No.: 65858-0029

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on	November 26, 2003	
	Date	

Sarah J. Goodwin Typed or printed name of person signing Certificate

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IDS (Citation) by Applicant